

What is claimed is:

- 1 1. A slide switch for a circuit on a circuit board, comprising:
 - 2 a housing connected to said circuit board;
 - 3 a glider slidably fitting inside said housing with a portion of said glider
 - 4 extending outside said housing;
 - 5 at least one contact spring connected to said glider;
 - 6 said at least one contact spring oriented in a direction substantially parallel to a
 - 7 direction of travel of said glider in said housing;
 - 8 said at least one contact spring having a projection extending away from said
 - 9 glider;
 - 10 said circuit board including a plurality of contacts on one side thereof, said
 - 11 plurality of contacts being arranged in at least one row extending substantially in said
 - 12 orientation direction of said at least one contact spring; and
 - 13 said plurality of contacts being spaced apart such that said projection of said at
 - 14 least one contact spring forms a detent fit in a space between each pair of adjacent
 - 15 contacts in said at least one row, and a portion of each said at least one contact spring
 - 16 makes electrical contact with said pair of adjacent contacts when said projection forms
 - 17 said detent fit, thereby forming an electrical connection between said pair of adjacent
 - 18 contacts in said at least one row.
- 1 2. A switch according to claim 1, wherein a number of rows equals a number of
- 2 contact springs.
- 1 3. A switch according to claim 2, wherein said number of rows and contact springs is
- 2 two.
- 1 4. A switch according to claim 3, wherein each row has six contacts and said switch
- 2 has five positions.
- 1 5. A switch according to claim 4, wherein said circuit includes:
 - 2 a first terminal connectable to an AC power source;

3 a second terminal connectable to a fan motor;
4 said switch having a first position where no electrical connection is made
5 between said first and second terminals;
6 said switch having a second position where an electrical connection is made
7 between said first and second terminals through a first capacitance;
8 said switch having a third position where an electrical connection is made
9 between said first and second terminals through a second capacitance;
10 said switch having a fourth position where an electrical connection is made
11 between said first and second terminals through a parallel combination of both said
12 first and second capacitances; and
13 said switch having a fifth position where an electrical connection is made
14 directly between said first and second terminals.

1 6. A switch according to claim 1, wherein said circuit includes:
2 a first terminal connectable to an AC power source;
3 a second terminal connectable to a fan motor;
4 said switch having a first position where no electrical connection is made
5 between said first and second terminals;
6 said switch having a second position where an electrical connection is made
7 between said first and second terminals through a capacitor; and
8 said switch having a third position where an electrical connection is made
9 directly between said first and second terminals.